

ABSTRACT OF THE DISCLOSURE

Improved query optimizer using implied predicates. The system facilitates allowing a query optimizing component to introduce into a query, extra predicates that facilitate the following: render the same results as the original query; are used as dictated by rules passed to the optimizing component - these rules specify whether the new predicate is an equivalence (that will substitute the old predicate) or an implication (in which the old predicate is preserved); are considered as cost-based alternatives, and discarded if not useful; are tied to index utilization; and can consider both standard and multi-valued indices.